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YUCCA VALLEY NORTH QUADRANGLE

CALIFORNIA—SAN BERNARDINO CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW/4 JOSHUA TREE 15' QUADRANGLE

MAP EXPLANATION

Surface fault rupture associated with the 1992 Landers earthquake, based on unpublished mapping by DMG and USGS.

Faults zoned for special studies in 1988, based on mapping by Bryant (1986).

Recently active faults mapped by Bryant (this report), based on air photo interpretation. Solid line indicates well-defined features, dashed where approximately located, short dash where inferred; hachures indicate direction scarp faces.

② Locality referred to in text.

GEOMORPHIC FEATURES INDICATIVE OF FAULT RECENCY AND/OR LOCATION, BASED ON AIR PHOTO INTERPRETATION AND FIELD MAPPING BY BRYANT (THIS REPORT)

dd - deflected drainage
rl - right lateral
ll - left lateral
ld - linear drainage
t - tonal lineament
tr - trough

Figure 2a (to FER-234). 1988 Official Special Studies Zones Map of the Yucca Valley North quadrangle, showing surface fault rupture associated with the 28 June 1992 Landers earthquake. Faults shown in red or highlighted in yellow are recommended for zoning (revision) for Special Studies.

eroded scarp in Qoal

t, tr or scarp

vague t

t, E-facing scarp

1992

1992

1992?

1992

MAP EX

Potentially Active Faults

1906 C

Faults considered to have bee
relatively high potential for surfa
long dash where approximate
where concealed; query (?) indicates additional uncertainty. Evidence of histor-
ic offset indicated by year of earthquake-associated event or C for displace-
ment caused by creep or possible creep.

Special Studies Zone Boundaries

These are delineated as straight-line segments that connect encircled turning points so as to define special studies zone segments.

Seaward projection of zone boundary.

ATE OF CALIFORNIA
L STUDIES ZONES
Delineated in compliance with
ision 2 of the California Public Resources Code
Alquist-Priolo Special Studies Zones Act)

YUCCA VALLEY NORTH QUADRANGLE

OFFICIAL MAP

Effective: March 1, 1988

Acting State Geologist

TOPOGRAPHIC BASE MAP BY U.S. GEOLOGICAL SURVEY 197
PHOTOREVISED 1979

SCALE 1:24 000
0 1 MILE
1000 2000 3000 4000 5000 6000 7000 FEET
.5 0 1 KILOMETER
CONTOUR INTERVAL 20 FEET
ATIONAL GEODETIC VERTICAL DATUM OF 1929

REFERENCES USED TO COMPILE FAULT DATA

Yucca Valley North Quadrangle

Bryant, W.A., 1986, Pinto Mountaain, Mesquite Lake, Copper Mountain, and related faults, southern San Bernardino County, California: California Division of Mines and Geology Fault Evaluation Report FER-181 (unpublished).

For additional information on faults in this map area, the rationale used for zoning, and additional references consulted, refer to unpublished Fault Evaluation Reports on file at regional offices of DMG.

IMPORTANT – PLEASE NOTE

1) *This map may not show all faults that have the potential for surface fault rupture, either within the special studies zones or outside their boundaries.*
2) Faults shown are the basis for establishing the boundaries of the special studies zones.
3) The identification and location of these faults are based on the best available data. However, the quality of data used is varied. Traces have been drawn as accurately as possible at this map scale.
4) Fault information on this map is not sufficent to serve as a substitute for the geologic site investigations (special studies) required under Chapter 7.5 of Division 2 of the California Public Resources Code.

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